

## CLAIMS:

1. An orthopaedic demonstration aid for demonstrating surgical orthopaedic techniques, the aid comprising first and second facsimile bone portions, an elongate first shaft portion to one end of which the first bone portion is secured, and adjustable holding means for holding a part of the first shaft portion remotely of said one end in a required position such that the first bone portion is at the correct anatomical orientation for the purposes of the required surgical orthopaedic procedure.
2. An aid as claimed in claim 1, wherein the first and second facsimile bone portions are first and second joint portions capable of being manipulated relative to one another to mimic the action of a skeletal joint.
3. An aid as claimed in claim 1 or 2, wherein the holding means comprises an adjustable ball and socket joint and a locking mechanism for locking the ball and socket joint when the first shaft portion is in the required position.
4. An aid as claimed in claim 1, 2 or 3, wherein the first bone portion is detachably secured to the first shaft portion to enable replacement of the first bone portion.
5. An aid as claimed in claim 1, 2, 3 or 4, wherein an elongate second shaft portion is provided to one end of which the second bone portion is detachably secured.
6. An aid as claimed in claim 5, wherein the first shaft portion has the form of an upper leg and the second shaft portion has the form of a lower leg and foot.
7. An aid as claimed in claim 5 or 6, wherein releasable securing means is provided for holding a part of the second shaft portion remotely of said one end in a required position such that the second bone portion is at the correct anatomical orientation for the purposes of the required surgical orthopaedic procedure.

8. An aid as claimed in claim 7, wherein the releasable securing means comprises a foot plate for releasable attachment to a fixed support and detachable connection means for connecting said part of the second shaft portion to the foot plate, the detachable connection means comprising a series of connection points spaced apart on the foot plate to which said part of the second shaft portion is selectively connectable.
9. An orthopaedic skeletal joint demonstration aid for demonstrating surgical orthopaedic techniques, the aid comprising first and second facsimile joint portions capable of being manipulated relative to one another to mimic the action of a skeletal joint, and adjustable facsimile ligament means securing the joint portions together.
10. An aid as claimed in claim 9, wherein the ligament means has lateral portions resiliently held under tension.
11. An aid as claimed in claim 10, wherein adjustable tensioning means are provided to which the lateral portions are releasably attachable.
12. An aid as claimed in claim 11, wherein the tensioning means comprises at least one adjusting screw threaded through a support flange and having an end part to which one of the lateral portions is releasably attachable.
13. An aid as claimed in any one of claims 9 to 12, wherein the ligament means extends through passages in the first and second joint portions.
14. An aid as claimed in claim 13, wherein the ligament means forms a continuous loop extending through a passage in the second joint portion and having lateral portions extending through respective passages in the first joint portion into a central duct opening outwardly of the first joint portion.
15. An orthopaedic skeletal joint demonstration aid for demonstrating surgical orthopaedic techniques, the aid comprising first and second facsimile joint portions capable of being manipulated relative to one another to mimic the action of a skeletal

joint, and a patella portion overlying the junction between the first and second joint portions and held in position by ligament means.

16. An aid as claimed in claim 15, wherein the ligament means is resiliently held  
5 under tension by spring means.

17. An orthopaedic skeletal joint demonstration aid for demonstrating surgical  
orthopaedic techniques, the aid comprising first and second facsimile joint portions  
positioned relative to one another to mimic the action of a skeletal joint, and an elongate  
10 first shaft portion to one end of which the first joint portion is detachably secured by a  
connector part engaging within a receiving passage in the first shaft portion in such a  
manner as to resist axial rotation of the first joint portion relative to the first shaft  
portion.

18. An aid as claimed in claim 17, wherein an elongate second shaft portion is  
15 provided to one end of which the second joint portion is detachably secured by a  
connector part engaging within a receiving passage in the second shaft portion in such a  
manner as to resist axial rotation of the second joint portion relative to the second shaft  
portion.

20 19. An orthopaedic skeletal joint demonstration aid for demonstrating surgical  
orthopaedic techniques, the aid comprising at least one facsimile joint portion, an  
elongate shaft portion to one end of which the joint portion is secured, facsimile  
ligament means connected to the joint portion, and quick release means for releasing the  
25 joint portion and the ligament means from the shaft portion when the joint portion and  
the ligament means are to be replaced for a new surgical orthopaedic procedure.

20. An orthopaedic demonstration aid for demonstrating surgical orthopaedic  
techniques, the aid comprising at least one facsimile joint portion, and a facsimile soft  
30 tissue portion overlying the joint portion.

21. An aid as claimed in claim 20, wherein the soft tissue portion is held in tension over the joint portion.

22. An aid as claimed in claim 20 or 21, wherein the soft tissue portion is detachably  
5 attached to the aid to permit it to be replaced.